# Panasonic

# 1HW Detector Switches

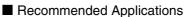
# Type: ESE23



Bidirectional operation, midpoint auto-return Type

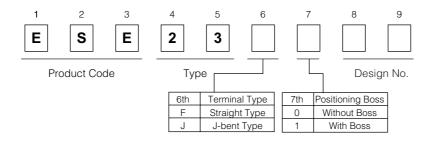
#### Features

- External dimensions : 4.1 mm×5.0 mm, Height 1.5 mm
- Long over-travel (through-operation available)
- Usable as an operation switch (an input device)



- Detection of media in portable electronic equipment (CD-ROM, DVD, Digital still cameras, etc.)
- Operating switches for other electronic equipment.

### Explanation of Part Numbers



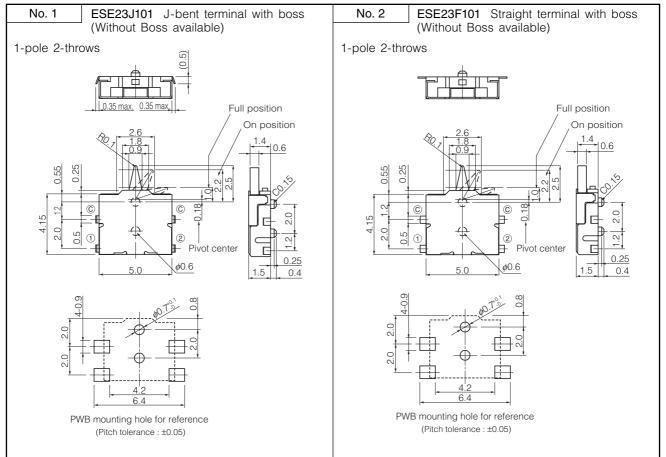
#### Specifications

Rating	50 µA 3 Vdc to 10 mA 5 Vdc (Resistive load)
Contact Resistance	500 m $\Omega$ max. (Initial)
Insulation Resistance	100 MΩ min. (100 Vdc)
Dielectric Withstanding Voltage	100 Vac for 1 minute
Operating Force	300 mN max.
Mounting Height	1.5 mm
Poles and Throws	1-pole 2-throws (OFF at midpoint)
Full Travel (Pushing distance)	With Boss1.0 mm (1.5 mm)Without Boss2.2 mm (1.5 mm)
Operating Life	50000 cycles min.
Temperature Range	-10 °C to +60 °C
Heat Resistance	+70 °C for 96 hours
Low Temperature Resistance	–25 °C for 96 hours
Humidity Resistance	+40 °C 90 % to 95 % RH for 96 hours
Minimum Quantity/Packing Unit	4000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton	24000 pcs.

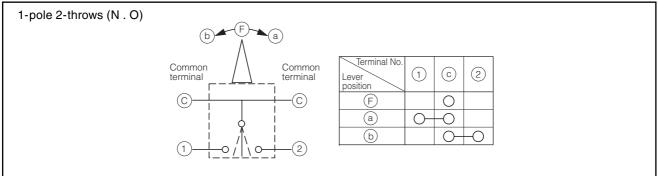
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

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#### Dimensions in mm (not to scale)

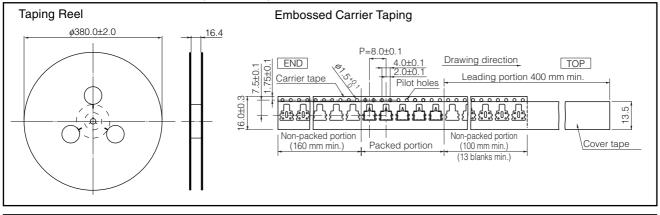


### Circuit Diagram



## Packaging Specifications

Standard Reel Dimensions in mm (not to scale)



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